
TRAINING MATERIALS

This section is an alphabetical listing of the different available printed programs, These programs fall into several different categories. The following is a list of the various categories used in this section, along with the letter code used. For your convenience, this list will be on each page in this section.

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Abandoned Mines Booklet (C/MNM)

Highlights dangers posed to people by abandoned mine sites, Two booklets to a customer, please,

MSHA 1986 43 pp

Cat No: OT 7

Price: Free of charge

Accident Analysis and Problem Identification for Coal Mines

Introduction to Accident Analysis and Problem Identification (AAPI), a method for examining and correcting accident problems in coal mines. Books

Course Book 79 pp

Instructor's Guide 81 pp

MSHA 1988

Cat No: IG 67

Price: Free of charge (1 book/guide)

\$5.00 (multiple copies)

Accident Analysis and Problem Identification for Metal/Nonmetal Mines

Introduction to Accident Analysis and Problem Identification (AAPI), a method for examining and correcting accident problems in metal/nonmetal mines. Books

Course Book 79 pp

Instructor's Guide 81 pp

MSHA 1988

Cat No: IG 68

Price: Free of charge (1 book/guide)

\$5.00 (multiple copies)

Accident Investigation (C/MNM)

Regulations specify that certain accidents must be investigated, This manual deals with the technical aspects of accident investigations. It includes: Accident Prevention, Investigative Procedures, Equipment and Supplies, Fact Finding, Interviews, Problem Solving Techniques, and Report of Investigation.

Note to Trainer: Although written for mine accidents, principles described may be applied in other industries.

MESA 1978 38 pp

MSHA Rev 1990

Cat No: SM 10

Price: Free of charge (1 copy)

\$2.00 (multiple copies)

Accident Prevention (C/MNM)

Defines and describes accidents and causes of accidents, Explains what is involved in effective accident prevention programs in mining. Includes a study of accident causes at all levels and the means of dealing with those causes.

MESA 1977 38 pp

MSHA Rev 1990

Cat No: SM 4

Price: Free of charge (1 copy)

\$2.00 (multiple copies)

TRAINING MATERIALS

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SM Safety Manual

Advanced Mine Emergency Operations (C/MNM)

These materials were designed for use in the Mine Simulation Laboratory to conduct Mine Emergency Response Disaster exercises. The materials can be modified to be used in other simulated settings. Includes an Instructor's Guide for conducting the exercise and a Student's Text for those who will be performing the exercise, NOTE: IG 16, Principles of Mine Rescue, is a part of this program. Copies need to be ordered when LC 3 and LC 4 are ordered.

MSHA 1992

Books

Instructor's Guide (C)	51 pp
Student's Text (C)	7 pp
Instructor's Guide (MNM)	51 pp
Student's Text (MNM)	7 pp

Cat No: LC 3 (Instructor's Guide-C)

Cat No: LC 3a (Student's Text-C)

Cat No: LC 4 (Instructor's Guide-MNM)

Cat No: LC 4a (Student's Text-MNM)

Price: \$4.00 (Instructor's Guide)

\$4.00 (Student's Text)

Advisory Committee Recommendations to Eliminate Black Lung and Silicosis (C)

On January 31, 1995, Secretary of Labor Robert B. Reich established the Advisory Committee on the Elimination of Pneumoconiosis Among Coal Mine Workers. The key Committee recommendations, which will help direct MSHA's efforts to eliminate coal mine dust-related lung disease, are summarized under eight topic headings in this pamphlet. Note: There is a companion card to this pamphlet. See "Cards" listing in this section on how to order.

MSHA 1997

8 pp

Cat No: OT 25

Price: No cost

Alcohol and Drug Abuse Manual, Mining Industry (C/MNM)

A collection of practical information on alcohol and drug abuse in the workplace, Includes bibliographies of sources and materials on Employee Assistance Programs (EAP's). Can be used in connection with videotape Substance Abuse - Is It Our problem? (VC 901)

MSHA 1986

42 pp

Cat No: OT 8

Price: \$3.00 (1 book)

Annual Refresher Training Games (C)

Compilation of questions and answers, various game formats and guidelines for using games in training. The guide is designed to be used in annual refresher training. Topics include:

1. Roof and Rib Control
2. Self-Rescue Devices
3. Communication
4. Respiratory Devices
5. Explosives
6. Permissibility
7. Accident Prevention Techniques
8. Health
9. Barricading
10. First Aid
11. Cardiopulmonary Resuscitation
12. Haulage and Transportation
13. Recognition and Avoidance of Electrical Hazards
14. Gases
15. Ventilation
16. Surface Mining
17. Miscellaneous

MSHA 1989

610 pp

Cat No: IG 79

Price: \$9.00

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual



Anthracite Mining Workbook

This workbook, in the programmed instruction format, discusses the various aspects of Anthracite mining: the anthracite coal fields of Pennsylvania; mine development; the four methods of mining (full-box breast, open breast, slant breast, and longhole methods); ventilation; and roof and rib control.

MSHA 1996

59 pp

Cat No: PI 13

Price: Free of charge (1 book)

\$4.00 (multiple copies)

Auger Mining Safety in Surface Coal Mines
Points out some of the most prevalent hazards that mine inspectors and mine workers must be aware of and guard against in surface auger mining. Emphasizes the safe work practices necessary to prevent accidents.

MSHA 1990

Cat No: AV 48

Price: \$19.00 (72 slides, 1 tape)

Back Injuries in the Mining Industry

Deals with back injuries in the coal and metal/non-metal mining industry. It addresses back injury statistics, anatomy and common back problems, the causes and corrective actions for back injury prevention, and recommendations for developing a program for the prevention of back injuries.

MSHA 1992

24 pp

Cat No: SM 24

Price: Free of charge (1 copy)

\$2.00 (multiple copies)

Basic Mine Emergency Operations (C/MNM)
This set of materials is designed for initial training in mine emergency operations. Included are an Instructor's Guide with objectives, lesson plans, pre and post tests, and references; and a Student's

Text. Intended for use by persons who respond to mine emergencies such as fires or explosions.

MSHA 1992

Books

Instructor's Guide (C) 88 pp

Student's Text (C) 27 pp

Instructor's Guide (MNM) 88 pp

Student's Text (MNM) 27 pp

Cat No: LC 1 (Instructor's Guide-C)

Cat No: LC 1a (Student's Text-C)

Cat No: LC 2 (Instructor's Guide-MNM)

Cat No: LC 2a (Student's Text-MNM)

Price: \$4.00 (Instructor's Guide)

\$4.00 (Student's Text)

Bins and Hoppers Safety Awareness Program (C/MNM)

Designed for trainers of coal and metal/nonmetal mine personnel. Covers the safe handling of materials around bins and hoppers, working safely around bins and hoppers, the prevention of entrapment, and rescue in the event of an entrapment. The program contains eight sections:

1. Bins and Hoppers Related Law
2. Entrapment of Miners
3. Development of Safe Work Methods Around Bins and Hoppers
4. General Bins and Hoppers Safety/Technical Information
5. Abstracts of Bin and Hopper Accidents
6. Bins and Hoppers Safety Awareness Factors to Utilize in a Training Session
7. Key Safety Awareness Points to Remember When Involved with Bins and Hoppers
8. Illustrations and Abstracts of Bin and Hopper Fatalities

MSHA 1988

83 pp

Cat No: IG 66

Price: Free of charge (1 book)

\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Blasters Training Manual for Metal/Nonmetal Miners

Designed to enable miner training personnel to easily develop site specific blasters training programs that will increase hazard awareness and foster the use of safe blasting practices with the anticipated end result being accident free and productive blasting.

BuM 1989

623 pp

Cat No: OT 27

Price: \$9.00 (1 book)

Blaster's Training Program for Independent Contractors (C/MNM)

Designed to train independent contractors in the safe use and application of explosives. The training package includes: Leader's Guide, Knowledge Checklist for Supervisors, Knowledge Checklist for Trainees, an OJT Checklist, and a Student Workbook. A multi-part videotape covers the following topics: Safety in Blasting, Buckle Up on the Job, Ground Control in Surface Mining (Coal), Surface Blasting in Metal and Nonmetal Mines, Quarry Safety, Safety in Surface Coal Mining, and Hazard Recognition and Avoidance in Surface Coal Mining. Note: Separate tapes on a single subject are not available.

MSHA Rev 1997

194 pp

Cat No: IG 81

Price: \$8.00 (1 videotape)
\$5.00 (1 book)

Blasting From the Solid, Underground Coal Mines
Slide program. General information, Divided into five parts:

Transportation to Mine
Surface Storage
Transportation Underground
Storage Underground
Blasting Underground

Trainer's book includes a list of objectives, a course outline, a list of required materials and a suggested lecture (with instructor notes on a slide-by-slide basis). Materials are:

Book 29 pp
Slides 53 slides

MSHA 1983

Cat No: AV 9

Price: \$14.00 (1 book, 53 slides)

Blasting Hazard Awareness: Surface and Underground Coal Mines

These two programs cover blasting hazard recognition and avoidance in and around underground and surface coal mines.

Surface Coal Mine Blasting
Hazard Awareness 108 pp
Underground Coal Mine
Blasting Hazard Awareness 112 pp

Please specify program(s) wanted when ordering.

MSHA Rev 1996

Cat No: IG 71 (Surface)
IG 72 (Underground)
Price: Free of charge (1 book)
\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed 'Instruction Book

SM Safety Manual

Blasting Hazard Awareness: Surface Metal and Nonmetal

Covers blasting hazard recognition and avoidance in and around surface metal and nonmetal mines.

MSHA Rev 1996 100 pp

Cat No: IG 73

Price: Free of Charge (1 book)
 \$4.00 (multiple copies)

Blasting Hazard Awareness: Underground Metal and Nonmetal

Covers blasting hazard recognition and avoidance in and around underground metal and nonmetal mines.

MSHA Rev 1996 139 pp

Cat No: IG 74

Price: Free of Charge (1 book)
 \$4.00 (multiple copies)

Blasting Requirements - Surface Coal

This training package of lesson plans, handouts, visuals, and student text is designed to train entry level coal mine inspectors and their supervisors. "

Topics include: properties and characteristics of explosives; explosives magazines; vehicles used to transport explosives; personnel who handle explosives; handling and use of explosives; and blasting agents. Course content emphasizes hazard recognition and safe work practices, and is keyed to MSHA regulations.

Books

Instructor's Guide 395 pp
Student's Text 25 pp

MSHA 1994

Cat No: CI 21 (Instructor's Guide)

CI 21a (Student's Text)

Price: \$7.00 (Instructor's Guide)
 \$4.00 (Student's Text)

Blasting Requirements—Underground Coal

This training package of lesson plans, handouts, visuals, and student text is designed to train entry level coal mine inspectors and their supervisors. Topics include: permissible explosives; qualified persons; explosives and blasting equipment; transportation of explosives and detonators; magazines; sheathed explosives; boreholes; preparation before blasting primers; multiple-shot blasting stemming blasting circuits; methane concentration and tests; fire procedures; examination after blasting; misfires; and damaged or deteriorated explosives and detonators. Course content emphasizes hazard recognition and safe work practices, and is keyed to MSHA regulations.

Books

Instructor's Guide 263 pp
Student's Text 31 pp

MSHA 1994

Cat No: CI 24 (Instructor's Guide)

CI 24a (Student's Text)

Price: \$6.00 (Instructor's Guide)
 \$4.00 (Student's Text)



Bleeder and Gob Ventilation Systems (C)

This publication is student handout materials used in the Bleeder and Gob Ventilation Systems course. The course applies to underground coal mining and is primarily of interest to ventilation specialists, safety inspectors, and supervisors. Material include a textbook containing information on ventilation principles; bleeder system design, approvals, inspection and examination, and evaluation; and illustrations of bleeder systems. Ventilation regulations, case study information, and other materials are also included in the package,

MSHA 1996 359 pp

Cat No: CI 42a

Price: Free of charge (1 set)
 \$6.00 (multiple copies)

TRAINING MATERIALS

AV	Audiovisual	LC	Laboratory Course	PI	Programmed Instruction Book
CI	Course of Instruction	OT	Other Material	SM	Safety Manual
IG	Instructional Guide				



CARDS (Pocket Sized)

MSHA has developed a series of pocket cards covering a variety of topics as part of the Agency's continuing effort to protect the health and safety of our Nation's miners. These cards are available from the Academy at no cost. Be sure to include the Card No, and quantity when ordering.

• Anthracite Mining (Job Safety Tips) (AM)

- AM Card No. 1 *Bucket Repair*
- AM Card No. 2 *Crone Operation*
- AM Card No. 3 *Electrical*
- AM Card No. 4 *Hoisting/Man Trips*
- AM Card No. 5 *Roof Bolter*
- AM Card No. 6 *Safety Reminders for Truck Drivers at Dump Points*
- AM Card No. 7 *Slips or Falls Underground*
- AM Card No. 8 *Timberman/Miner*
- AM Card No. 9 *Working Around Bins, Hoppers and Draw-Off Tunnels*

+ Best Practices - Haulage (BP)

- BP Card No. 1 *Brake Systems*
- BP Card No. 2 *Cab Inspection*
- BP Card No. 3 *Haulage Equipment Operators*
- BP Card No. 4 *Haulage Safety Attitude*
- BP Card No. 5 *Highway Truck Pre-Operation Inspection*
- BP Card No. 6 *100-Ton or Greater Truck Pre-Operation Inspection*
- BP Card No. 7 *100-Ton or Less Truck Pre-Operation Inspection*
- BP Card No. 8 *Pre & Post-Operation Inspection of Surface Haulage Equipment*
- BP Card No. 9 *ROPS (Rollover Protective Structure) and FOPS (Falling Object Protective Structure)*
- BP Card No. 10 *Steering*

BP Card No. 11 *Surface Mine, Powered Truck Haulage Dumping Procedures*

BP Card No. 12 *Training Checklist*

• Hazard Alert (HA)

- HA Card No. 1 *Mine Explosions are Man-Made*
- HA Card No. 2 *Surface Coal Mine Fatalities (1995)*
- HA Card No. 3 *Surface Haulage Safety in Coal Mines*
- HA Card No. 4 *Underground Coal Mine Fatalities (1996)*
- HA Card No. 5 *Winter Alert Information*
- HA Card No. 6 *Contract Truck Drivers Work Safety*

• Health Hazard Information (HH)

- HH Card No. 1 *Examination of Respirable Dust Controls at Underground Coal Mines (C)*
- HH Card No. 2 *Mineral Dust Hazard and Sampling (C)*
- HH Card No. 3 *Polyurethane Foam Health Hazards (C)*
- HH Card No. 4 *Silica Exposure of Surface Coal Miners (C)*
- HH Card No. 5 *Silica Exposure of Underground Coal Miners (C)*
- HH Card No. 6 *Ten Minutes on Silicosis for Coal Miners (C)*
- HH Card No. 7 *Two Minutes on Silicosis for Coal Miners (C)*
- HH Card No. 8 *Heat Stress (MNM)*
- HH Card No. 9 *Ten Minutes on Silicosis for Metal and Nonmetal Miners (MNM)*
- HH Card No. 10 *Two Minutes on Silicosis for Metal and Nonmetal Miners (MNM)*

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

HH Card No. 11 *Working in Confined Spaces (MNM)*

HH Card No. 12 *Filter Self-Rescue Devices (MNM)*

HH Card No. 13 *Radon Daughter Measurement (MNM)*

HH Card No. 14 *Poison Plants (MNM)*

HH Card No. 15 *Personal Noise Measurements (MNM)*

HH Card No. 16 *Working With Mercury (MNM)*

HH Card No. 17 *"Watch Your Back" - Prevent Back Injuries (MNM)*

HH Card No. 18 *Welding Hazards (MNM)*

HH Card No. 19 *Mineral Dust Hazards and Sampling (MNM)*

HH Card No. 20 *Silica Exposure of MNM Miners (MNM)*

+ Job Safety Tips (ST)

ST Card No. 1 *Electrical Safety in Coal Mines*

ST Card No. 2 *Haulage Roads*

ST Card No. 3 *Higwall Drills*

ST Card No. 4 *Suggested Safety Measures for Operating Equipment on Surge Piles*

ST Card No. 5 *Truck Drivers -- Dump Sites*

ST Card No. 6 *Truck Drivers - Safety Operating Procedures*

ST Card No. 7 *Truck Drivers - Vehicle Capabilities*

ST Card No. 8 *Truck Haulage - Arrive Home Alive*

ST Card No. 9 *Coal Mine Roof Bolter Operators and Helpers*

ST Card No. 10 *Underground Powered Haulage Safety for Coal Miners*

ST Card No. 11 *Roof and Rib Safety in Coal Mines*

ST Card No. 12 *Coal Mine Longwall Section Employees*

ST Card No. 13 *Continuous Miner/Loading Machine Operators and Helpers*

• Small Mines (Safety Tips) (SM)

SM Card No. 1 *Hazardous Conditions; Posting, Correcting and Recording*

SM Card No. 2 *On-Sbft Examination*

SM Card No. 3 *Preshift Examination*

SM Card No. 4 *Weekly Examination*

• Other (OT)

OT Card No. 1 *Tips for Preventing Silicosis by the National Institute for Occupational Safety and Health*

(There is also a booklet titled "A Guide to working Safely with Silica," See Page 54 for ordering information.) There is also a Spanish version available. Please indicate either Spanish or English version when ordering.

OT Card No. 2 *Advisory Committee Recommendations to Eliminate Black Lung and Silicosis.*

(There is also a booklet on this subject, See Page 22 for ordering information.)

Chemistry, Analysis and Interpretation of Mine Atmospheres (C/MNM)

Instructor's guide for teaching mine gases, sampling of mine fires, gas sampling methods, hand-held detection devices and mathematical calculations of mine gases as a result of mine fires,

MSHA 1988 108 pp

Cat No: IG 69

Price: Free of charge (1 book)

\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Coal Country

This computer program, developed for elementary school children, will help them learn about coal formations, deposit locations, mining techniques, and common uses of coal in everyday life. The program is available on five 3 1/2 inch computer diskettes,

BuM 1994

Cat No: OT 9

Price: \$7.00 (5 computer diskettes)



Coal Dust

~~Examines~~ health and safety hazards of coal dust in underground mines. Presents theory and procedures for mine ventilation and worker protection. Printed in two volumes: Work Book and Answer Book.

MESA 1976

130 pp

Cat No: PI 9

Price: Free of charge (1 book)
\$2.00 (multiple copies)

Coal Mine Maps

Reviews uses and importance of coal mine maps; discusses the different mandatory maps; and describes how to gather data, prepare maps and interpret information on maps.

MESA 1978

MSHA Rev 1990

24 pp

Cat No: SM 12

Price: Free of Charge (1 copy)
\$2.00 (multiple copies)



Coal Mine Roof and Rib Control Manual covers the most dangerous hazard to underground coal miners - fall of roof and ribs, Describes geology of coal and rock strata. Explains effects of mining on strata. Covers methods of support and roof control plans. Gives some coverage to inspection and testing of roof and ribs and Prevention of roof and rib fall accidents.

MSHA 1980

49 pp

Cat No: SM 18

Price: Free of charge (1 book)
\$2.00 (multiple copies)

Coal Mining

Gives an overview of coal mining. It begins with the origin and nature of coal, progresses through underground and surface mining methods, training, and mine hazards, and ends with the uses of coal. Includes a glossary of common mining terms,

MESA 1976

29 pp

MSHA Rev 1990

Cat No: SM 1

Price: Free of Charge (1 copy)
\$2.00 (multiple copies)

Code of Federal Regulations, Title 30, via Computer Linkup

The mining community now can gain quick access to current regulations, program information bulletins, policy memos, and other data on MN-IA's home page on the Internet at <http://mmv.msha.gov>. Also, copies may be purchased from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402 Telephone: 202/512-1800 Fax: 202/512-2233.

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

[G Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed [instruction Book

SM Safety Manual

Combustible Materials and Rock Dusting (C)
Designed to train the Federal Coal Mine Inspector on the dangers inherent with coal dust. It is intended to describe the hazards to show the inspector how to identify hazardous loose coal, and to train the inspector how to make rock dust surveys, and how to take samples.

Books

Instructor's Guide 90 pp

Student's Text 41 pp

MSHA 1992

Cat No: CI 3 (Instructor's Guide)

CI 3a (Student's Text)

Price: \$4.00 (Instructor's Guide)

\$4.00 (Student's Text)

Common Sense Lifting (C/MNM)

Slide-tape program that shows safe procedures for lifting and carrying. Script included.

MSHA 1986 20 min

Cat No: AV 21

Price: \$19.00 (76 slides, 1 tape)

Compressed Gas (C)

Two-part slide-tape presentation on the handling, storage and use of compressed gas. Small booklet included. Materials are:

Booklet

Compressed Gas 4 pp

Slides

Compressed Gas: Part I 93 slides

Compressed Gas: Part II 102 slides

Tapes

2 tapes

AMAX Coal 1983

BuM Contract J0387234

Cat No: AV 5

Price: \$45.00 (1 Booklet, 195 slides, 2 tapes)

Coping with Substance Abuse in Mining
Deals with substance abuse in the mining industry, which is a reflection of the experience of

American industry in general. The manual puts forth a five-part strategy for controlling substance abuse at the workplace; establishment of a written substance abuse policy; supervisory training employee education and awareness; an employee assistance program; and drug testing, as appropriate.

MSHA 1991 30 pp

Cat. No: SM 25 (English Version)

SM 25-S (Spanish Version)

Price: Free of charge (1 copy)

\$2.00 (multiple copies)

Crane Inspection Series (C/MNM)

These programs were produced in cooperation with the International Union of Operating Engineers. They are designed to familiarize crane operators with various potential hazards involved in the operation of the different types of cranes.

MSHA 1989

Cat, No.	Title	No. Slides	Time	Price
AV 38	Cranes for Construction	80	12 mins.	\$20.00
AV 39	Mobile Cranes	65	12 mins.	\$17.00
AV 40	Gantry Crane Inspection	101	14 mins.	\$24.00
AV 41	Derrick Crane Inspection	68	11 mins.	\$18.00
AV 42	overhead Crane Inspection: Pendant Floor Controlled	85	12 mins.	\$21.00
AV 43	Overhead Cram Inspection: Cab Operated	105	15 mins.	\$25.00
AV 44	Hammerhead and Tower Crane Inspection	103	11 mins.	\$25.00
AV 45	Trenching Crane Inspection	46	8 rnins.	\$13,00
AV 46	Tunneling Crane Inspection	65	10 rnins.	\$17.00

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Cyanide Mill Reagents (MNM)

Intended to assist mine, mill and plant operators and mine inspectors in recognizing and controlling hazards associated with the handling, storage, use and disposal of cyanide reagents. Indicates which 30 CFR health standards apply to cyanide use and explains purposes and application of those standards. Discusses recommended work practices.

MSHA 1981 12 pp

Cat No: OT 1

Price: Free of Charge

Deep Mining (MNM)

Slide-tape program. Covers different aspects of deep mining operations, Emphasizes safe work practices and procedures. Materials are:

Slides

Worksite Preparation	114 slides
Jackleg Drills	132 slides
Load Haul Dump: Part 1	103 slides
Load Haul Dump: Part 2	73 slides
Rockbolting With a Jackleg Drill	134 slides
Jumbo Drills: Part 1	79 slides
Jumbo Drills: Part 2	103 slides
Train Operation: Part 1	98 slides
Train Operation: Part 2	72 slides
Slusher operation	133 slides
Mucking Machine Operation	112 slides
Mancage Tending	124 slides
Supply Handling With a Tugger	124 slides
Tapes (one tape per set of slides)	13 tapes

Canyon Research Group 1984

BuM Contract H0308067

Cat No: AV 6

Price: \$299.00 (1401 slides, 13 tapes)



Degraded Image Hazard Recognition (C)

The goal of this program is to improve the ability of miners to recognize hazards in their dangerous work environment, and thereby, to reduce accidents. The program is based on research conducted by the US. Bureau of Mines (now NIOSH) in conjunction with the Illinois Department of Natural Resources and Illinois Eastern Community College. A study has found that miners trained with this method have shown a greater improvement in their hazard recognition skill level as compared to traditional methods.

NIOSH 1997

Cat No: IG 1

Price: \$12.00 (includes 1 book, 10 slides, and a videotape)

Dimension Stone Safety

Brief slide-tape program, Stresses safe work procedures in dimension stone quarries. Subjects include machine safety, dust and noise, personal protective equipment, materials handling and housekeeping.

Dimension Stone Ind, 1983 10 min

Cat No: AV 2

Price: \$15.00 (53 slides, 1 tape)

Draeger 0XY4R 60B Self-Contained Self-Rescuer
Designed to ensure proper use of the device during a mine emergency.

MSHA Aug 1981 33 pp

Cat No: IG 39

Price: Free of charge (1 book)
\$10.00 (1 book, 32 slides)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

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OT Other Material

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SM Safety Manual

Drill Training System (C/MNM)

Introduces rotary blast hole drills. Stresses safe operating procedures. Complete set of materials contains:
Books

Instructor's Guide 23 pp

Study Guide 67 pp

Evaluation Forms 17 pp

Tests

Written Progress Tests

Proficiency Demonstration

Slides 55 slides

Tapes 1 tape

Woodward Associates 1984

BuM Contract H03 18009

Cat No: AV 25

Price: \$16.00 (3 books, tests, 55 slides, 1 tape)

Drinking, Drugging, and Mining Don't Mix (C/MNM)

Serves as creative source of awareness and information for safety programs and meetings.

Available as 8 1/2" x 11" size poster.

MSHA 1990

Cat No: order by title

Price: Free of charge (*specify quantity when ordering*)

Dust Control in Open Pit Mining

Slide-tape program presents a brief introduction to health and safety aspects of dust in open pit mining operations. Emphasizes what miners can do to protect themselves from dust around drilling, blasting, loading, and hauling operations.

NC Department of Labor, Mine and

Quarry Division 1983 10 min

Cat No: AV 3

Price: \$21.00 (83 slides, 1 tape)



Electrical Hazards (C)

Treats the numerous hazards associated with power distribution centers, trailing cables, trolley wires and other electrical equipment used in mining operations. Printed in two volumes: Work Book and Answer Book.

MESA 1976

170 pp

Cat No: PI 5

Price: Free of charge (1 book)
\$2.00 (multiple copies)

Electrical Hazards (C/MNM)

Electricity is used to power most mining equipment (in underground mines, in surface mining drilling and loading operations, in preparation plants and in mills). Manual covers hazards of electricity y. Concentrates on electrical shock and electrical arcs. Presents methods of controlling these hazards,

MSHA Rev 1989 52 pp

Cat No: SM 9

Price: Free of charge (1 book)
\$2.00 (multiple copies)

Electrical Hazards Awareness Program (C/MNM)
Covers electrical hazard recognition and avoidance in and around coal and metal/nonmetal operations. The program contains twelve independent sections, each containing question and answer exercises:

- A. Introduction to Electricity
- B. Statistics
- c. Underground Electrical Equipment (script for slide-tape program)
- D. Permissibility
- E. Mine Electrical Substations
- F. Grounding
- G. Methane Monitors
- H. Battery and Battery-Charging Safety Overhead Power Line Hazards
- I. Trailing Cables (script for slide-tape program) Trolley Wires and Feeder Wires Underground (script for slide-tape program)
- L. Electrical Fatalities

MSHA 1988

391 pp

Cat No: IG 65

Price: Free of charge (1 book, 12 sections)
\$ 7.00 multiple copies),
\$15.00 Section C--52 slides, 1 tape)
\$15.00 Section J--54 slides, 1 tape)
\$13.00 Section K--42 slides, 1 tape)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
[G Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Eliminate Alcohol and Drug Abuse in Mining
(C/MNM)
Serves as creative source of awareness and information for safety programs and meetings. Available as 8 1/2" x 11" size poster.
MSHA 1990
Cat No: Order by title
Price: Free of charge (*specify quantity when ordering*)

Equipment Guarding, MSHA'S Guide to
(C/MNM)
Designed to assist industry, labor and MSHA inspectors in obtaining uniformity in mechanical safeguarding. Basic principles of guarding are discussed. Various techniques are illustrated (with brief written explanations).
MSHA 1992 32 pp
Cat No: OT 3
Price: Free of charge. (1 book)
\$2.00 (multiple copies)

Excavator Training System (C/MNM)
Introduces concepts of safe excavator operation.
Woodward Associates 1984
BuM Contract H0318009
Cat No: AV 26
Price: \$11.00 (36 slides, 1 tape)

Fatal Illustration Program (C/MNM)
(1996-1997)
Highlights fatal accidents that occurred in coal and metal/nonmetal mines and alerts miners to dangers around mines and how potential accidents can be prevented. Flexible and adaptable to many different training situations (new miner, annual refresher, task safety training – large or small groups, general safety meetings or special emphasis safety talks). Available as a slide program with one-page illustrated abstracts

(summaries) of fatal mining accidents. Please order by quantity and title(s) desired.

MSHA Updated every 6 months
Cat No: OT 10 (Coal-Surface)
OT 11 (Coal-Underground)
OT 12 (Metal/Nonmetal-Surface)
OT 13 (Metal/Nonmetal-Underground)
Price: Free of charge

Fault Tree Analysis (C/MNM)
Fault tree analysis is a technique used in both accident prevention and accident investigation. Manual covers the five steps of fault tree analysis: (1) select an undesired event (an accident or potential accident), (2) study the system, (3) construct and then (4) evaluate the fault tree and (5) control the hazards identified.
MESA 1978 33 pp
Cat No: SM 8
Price: Free of charge (1 book)
\$2.00 (multiple copies)

Fire Protection (C/MNM)
Designed to train Federal Mine Inspectors in the inspection of fire protection systems and equipment in both underground and surface mines, in accordance with 30 CFR 75 and 30 CFR 77(Coal), and 30 CFR 56 and 30 CFR 57 (M/NM).

Books

Instructor's Guide (C)	128 pp
Student's Text (C)	6 pp
Instructor's Guide (M/NM)	118 pp
Student's Text (M/NM)	6 pp
MSHA 1992	
Cat No: CI 5 (Instructor's Guide-C)	
CI 5a (Student's Text-C)	
CI 6 (Instructor's Guide-MNM)	
CI 6a (Student's Text-MNM)	
Price: \$4.00 (Instructor's Guide)	
\$4.00 (Student's Text)	

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Fire Safety (C/MNM)

Deals with the hazards associated with fires, and the procedures used to prevent fires and to protect life and property when fires do occur.

Note to Trainer: Although designed for mining applications, the sections on fire causes and detection systems are useful in any setting.

MESA 1979 42 pp

MSHA Rev 1990

Cat No: SM 13 (English Version)

SM 13-S (Spanish Version)

Price: Free of charge (1 copy)

\$2.00 (multiple copies)

First Aid (C/MNM)

Describes first aid techniques. Discusses how to stop bleeding and control shock. Lists specific first aid procedures for a wide variety of injuries. **Note:** Spanish version available from The University of Texas at Austin, Industrial Education Department, P. O. Box 7518, Austin, TX 78713-7518 Phone: (512) 471-4633. Cost is \$5.00 plus shipping and handling.

MSHA Rev 1996 62 pp

Cat No: SM 3

Price: Free of charge (1 book)

\$2.00 (multiple copies)

First Aid Book (C/MNM)

Designed to provide workers in the mining industry with basic first aid knowledge and skills in order to better prepare them to deal with both on-the-job and off-the-job accidents and emergencies. There is a limited supply of this document; however, it is being revised. A chapter on Bloodborne Pathogens will be added and the chapter on CPR will be deleted since these techniques must be learned through training and supervised practice. CPR courses are available through the

American Heart Association or the American Red Cross.

MSHA Rev 1991 237 pp

Cat No: IG 61

Price: Free of charge (1 book)

one copy only of this book is available through the Academy. If additional copies are required, write to:

Superintendent of Documents
U. S. Government Printing Office
Washington, D.C. 20402
(202) 512-1800

Use GPO Stock Number 029-017-00004-2.

Expect to pay current price.

First Aid Instructor's Guide (C/MNM)

Designed for first aid trainers in the mining industry. Teaches methods to care for sick or injured persons. The training materials are packaged loose-leaf to help trainers extract selected study topics from the total package. The program includes an Instructor's book and slides. The book contains printed copies of each visual which can be made into transparencies. There is a limited supply of this document; however, it is being revised. A chapter on Bloodborne Pathogens will be added and the chapter on CPR will be deleted since these techniques must be learned through training and supervised practice. CPR courses are available through the American Heart Association or the American Red Cross.

MSHA Rev 1989 329 pp

Cat No: IG 52

Price: \$30.00 (1 book, 137 slides)

Free of charge (1 book)

\$7.00 (multiple copies of book)

\$30.00 (slides only)

TRAINING MATERIALS

AV Audiovisual	LC Laboratory Course	PI Programmed Instruction Book
CI Course of Instruction	OT Other Material	SM Safety Manual
IG Instructional Guide		

Front-End Loader Hazard Awareness Program (C/MNM)
Covers front-end loader hazard recognition and avoidance in and around coal and metal/nonmetal operations.

MSHA 1987 77 pp

Cat No: IG 76

Price: Free of charge (1 book)
\$10.00 (1 book, 30 slides)



Fundamentals of Noise Measurement
Designed to provide the required knowledge and skills for taking accurate readings of a miner's exposure to noise and for administration of a noise control program. Prepares mining personnel for MSHA's noise qualification card.

BuM April 1973 77 pp

Cat No: IG 10

Price: Free of charge (1 book)
\$10.00 (1 book, 31 slides)



Gas Detecting Devices (C/MNM)
This training package of lesson plans, handouts, visuals, and student text is designed to train entry level inspectors. Topics include operation and calibration of hand-held gas detecting devices, and methods for collecting gas samples. The course is designed to include hands-on training in the use of the instruments and sampling devices.

Books

Instructor's Guide	70 pp
Student's Text	22 pp

MSHA 1996

Cat No: CI 15 (Instructor's Guide)
CI 15a (Student's Text)

Price: \$4.00 (Instructor's Guide)
\$4.00 (Student's Text)



Haulage Fatalities - Underground Coal (1990-1996)

This publication highlights haulage fatalities that occurred at underground coal operations from

January 1990 through December 1996. The haulage fatalities included in this report involve all fatalities classified by the Mine Safety and Health Administration as "haulage/powered haulage." These statistics do not include haulage fatalities at surface areas of underground operations.

MSHA 1996 53 pp

Cat No: OT 14

Price: \$12.00 (1 book and 44 slides)

Haulage Hazards Awareness Program (C/MNM)
Covers haulage hazard recognition and avoidance in and around coal and metal/nonmetal operations (both surface and underground).

MSHA 1987 226 pp

Cat No: IG 77

Price: Free of charge (1 book)
\$5.00 (multiple copies)

Hazards Due to Stockpile Instability (C/MNM)
Slide-tape program examines the construction and maintenance of various stockpiles and waste dumps found at mining operations. Reviews factors affecting their stability. Program intended for surface mining personnel, especially operators of dump trucks, bulldozers and front-end loaders.

MSHA 1987 18 min

Cat No: AV 23

Price: \$22.00 (89 slides, 1 tape)

Heat Stress in Mining (MNM)
Deals with heat stress and strain and heat control mechanisms in the human body. Describes signs of and first aid for heat-related disorders. Heat stress control measures are noted.

MSHA Rev 1989 32 pp

Cat No: SM 6 (English Version)
SM 6-S (Spanish Version)

Price: Free of charge (1 book)
\$2.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

High Voltage Electrician Training (C)

Slide-tape. program with workbooks. Designed for self-directed instruction. Provides information to enhance an electrician's knowledge when working with high voltage equipment. Materials are:

Books

Leader's Guide 2 pp

Workbooks

Module 1: Overview of High Voltage 9 pp

Module 2: Cable Splicing Procedures 10 pp

Module 3: High Voltage Systems-Pt. 1 8 pp

Module 4: High Voltage Systems-Pt. 2 9 pp

Slides

Overview of High Voltage 71 slides

Cable Splicing Procedures 114 slides

High Voltage Systems-Part 1 71 slides

High Voltage Systems-Part 2 110 slides

Tapes (one tape per set of slides) 4 tapes

AMAX Coal 1984

BuM Contract J0387234

Cat No: AV 7

Price: \$82.00 (5 books, 366 slides, 4 tapes)



Historical Mining Disasters

This publication includes pictures and newspaper clippings, taken from actual Bureau of Mines disaster reports, of some of the worst mining disasters of this century. The publication also includes a listing of Historical Coal Mine Disasters in the United States from 1900-1976 and a listing of Historical Metal and Nonmetal Mine Disasters in the United States from 1900-1979,

MSHA 1996 56 pp

Cat No: OT-32

Price: \$4.00

Hoisting (C/MNM)

This material outlines various types of hoists, wire ropes, rope end attachments, hoisting system

components, brakemen cars, portal shaft elevators, law and recordkeeping, as well as appendices and coal and metal and nonmetal mandatory safety standards related to hoisting. In addition to the text materials, handouts, lesson plans, visuals, and tests and evaluations are included which will assist in instructing hoisting training.

Books

Instructor's Guide 452 pp

Students Text 202 pp

MSHA 1994

Cat No: CI 29 (Instructor's Guide)

CI 29a (Student's Text)

Price: \$8.00 (Instructor's Guide)

\$5.00 (Student's Text)

How to Tailor Off-The-Shelf Training Materials (C/MNM)

Designed to assist trainers. Offers suggestions on personalizing off-the-shelf training materials.

WV University Mining Extension

Service 1981 47 pp

BuM Contract J0188069

MSHA Reprint 1983

Cat No: IG 8

Price: Free of charge (1 book)

\$4.00 (multiple copies)

Industrial Hygiene for Healthier Miners (C/MNM)

Deals with industrial hygiene - the science and art of recognition, evaluation and control of health hazards at work. Text includes examples of short-term and long-term job-related exposures of workers to toxic agents. Manual also covers preventive measures to protect workers from harmful conditions.

MSHA 1987 53 pp

Rev 1996

Cat No: SM 21

Price: Free of charge (1 book)

\$2.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Industrial Hygiene for the Mining Industry
Describes basic concepts of industrial hygiene and human physiology and how they are affected by mining conditions. Also includes material on measuring instruments and devices used in industrial hygiene.

MSHA 1986 243 pp

Cat No: PI 12

Price: Free of charge (1 book)
\$5.00 (multiple copies)

Industry Supervisory Training—Metal and Nonmetal

Designed for trainers of metal/nonmetal supervisory personnel. Focuses on ways to increase awareness of the high rate of supervisory/foremen fatalities and on ways to reduce that rate. Packaged in two volumes (one for instructors and one for participants), each volume is divided into four modules:

Defining the Problem
Developing an Individualized Safety Program
Supervisory Skills
Supervisory Responsibilities

Materials are 3-hole punched, Dividers are furnished. Complete set of materials contains:

Books

Instructor's Training Guide 262 pp
Participant's Handbook 244 pp

MSHA 1985

Cat No: IG 9 (specify number of Participant's Handbooks)

Price: Free of charge (1 set of books)
\$8.00 (multiple copies)

Inexpensive Simulator for SCSR Training Series
This series of illustrated booklets gives step-by-step directions for constructing an inexpensive, hygienic SCSR simulator. The simulators, which can be built for approximately \$30, are virtually indestructible and have the same weight and feel of a real SCSR. These inexpensive simulators feature quick-release clamps that allow mouthpiece assemblies to be changed out in seconds. Thus, each miner trained may have his/her own mouthpiece which can be installed as the apparatus is being repacked.

Instruction booklets are available for:

CSE AU-9A1 SCSR 5 pp
DRAEGER OXY-SR60 SCSR 3 pp
OCENCO EBA 6.5 SCSR 7 pp

BuM 1988

Cat No: OT 18- CSE
OT 19- DRAEGER
OT 20- OCENCO

Price: Free of charge

Instructor Training Guide

Designed to provide the fundamentals of instruction for potential instructors. May also be used as a refresher course for experienced instructors,

MSHA Rev 1991 96 pp

Cat No: IG 24

Price: Free of charge (1 book)
\$4.00 (multiple copies of book)
\$10.00 (1 book, 31 slides)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Introduction to Metal/Nonmetal Mining: A Programmed Text

A workbook in programmed instruction format that covers elements of underground and surface metal and nonmetal mining. Each self-contained workbook section contains text materials, questions about the text, and answers to these questions. Students can study and review the material at their own pace and check their work as they proceed. Topics covered include: Basic Geology; Mining and the American Economy; Health and Safety Standards; The Work Environment; Industrial Hygiene and Personal Protective Equipment; Mine Gases; and Electricity in Mining, other subjects include: Blasting and Explosives; Welding; Surface Machinery; Surface Machinery Safety; Dredges and Barges; Underground Mining; Underground Mining Machinery; Hoisting; Conveyors; Haulage; Processing (Milling and Crushing); Sand and Gravel; Cement Plant-s; and Salt Mines and Mining.

MSHA 1995

482 pp

Cat No: PI 6

Price: Free of Charge (1 book)

\$8.00 (multiple copies)

Introduction to Mine Rescue (C/MNM)

Slide-tape program instructs and informs viewer of the step-by-step procedures a mine rescue team follows during rescue/recovery operations, Explains duties of team members and stresses importance of close cooperation between team members.

MSHA 1987

12 min

Cat No: AV 22

Price: \$18.00 (69 slides, 1 tape)



Introduction to Underground Coal

Covers basic mining operations and hazards, mine safety and health, safe practices in mining and Federal mine laws,

MESA 1977

265 pp

Cat No: PI 1

Price: Free of charge (1 book)

\$4.00 (multiple copies)

Job Safety Analysis (C/MNM)

This training package of lesson plans, handouts, visuals, and student text is designed to train Federal Mine Inspectors in Job Safety Analysis procedures. It allows the user to be able to identify hazards and to develop step-by-step procedures to provide the safest, most efficient way to complete a major task.

Books

Instructor's Guide

168 pp

Student's Text

14 pp

MSHA 1994

Cat No: CI 28 (Instructor's Guide)

CI 28a (Student's Text)

Price: \$5.00 (Instructor's Guide)

\$4.00 (Student's Text)

Job Safety Analysis (C/MNM)

JSA -an approach to accident prevention. Manual describes the four basic JSA steps: (1) select the job, (2) separate the job into basic steps, (3) identify the hazards and (4) control each hazard.

MESA 1977

31 pp

MSHA Reprint 1984

Cat No: SM 5

Price: Free of charge (1 book)

\$2.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
[G Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Job Safety Analysis Process: A Practical Approach, The (C/MNM)

Designed to enable miners and supervisors to work together to identify hazards and to develop step-by-step procedures that make up the safest, most effective way to complete a major task, The Instruction Guide contains three sections:

- I. Leaders Guide
Instructional material necessary to teach the Job Safety Analysis process.
- II. Visuals
These visuals follow the Leaders Guide and Participants Guide, and can be made into visuals (transparencies).
- III. Participants Guide
An instructional handout and reference for each person who attends Job Safety Analysis training.

You may want to order additional copies of the Participants Guide.

MSHA 1990 90 pp
Cat No: IG 83 (Instruction Guide)
IG 83a (Participants Guide)
Price: Free of charge (1 copy)
\$4.00 (multiple copies of
Instruction Guide)
\$4.00 (multiple copies of
Participants Guide)



Koehler and Wolf Permissible Flame Safety Lamps (C/MNM)

Designed to aid miners in developing a basic knowledge of oxygen deficiency and a working knowledge of flame safety lamps.

BuM 1972
MSHA Rev 1990 21 pp
Cat No: IG 15 (1 book, 24 slides)
VC 832 (13 minute videotape)
Price: Free of charge (1 book)
\$4.00 (1 book, 24 slides)
\$8.00 (VHS videotape)



Laboratory Safety (C/MNM)

Gives an overview of accident causes and accident prevention techniques when dealing with energy sources and hazardous materials found in laboratories.

Note to Trainer: Designed primarily for entry-level laboratory workers.

MESA 1976 27 pp
Cat No: SM 4S
Price: Free of charge (1 book)
\$1.00 (multiple copies)



Milling and Crushing (MNM)

Reviews health and safety hazards associated with milling and crushing operations.

MESA 1978 200 pp
Cat No: PI 4
Price: Free of charge (1 book)
\$5.00 (multiple copies)

Mine Electricity (C/MNM)

Designed to train Federal Mine Inspectors in the inspection of electrical systems and units in both underground and surface mines, in accordance with 30 CFR 75 and 30 CFR 77 (Coal), and 30 CFR 56 and 30 CFR 57 (MNM).

Books

Instructor's Guide (C)	162 pp
Student's Text (C)	58 pp
Instructor's Guide MNM)	137 pp
Student's Text (MNM)	117 pp

MSHA 1992

Cat No: CI 7 (Instructor's Guide-C)
CI 7a (Student's Text-C)
CI 8 (Instructor's Guide-MNM)
CI 8a (Student's Text-MNM)
Price: \$5.00 CI 7 Instructor's Guide - C
\$4.00 CI 7a Student's Text - C
\$4.00 CI 8 Instructor's Guide - MNM
\$4.00 CI 8a Student's Text - MNM

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Mine Emergency Ventilation (C/MNM)

Designed for use by mine rescue team members and managers and supervisors responsible for mine rescue efforts. Lessons include instruction on making decisions on ventilating or sealing emergency areas and building ventilation controls and seals,

Books

Instructor's Guide (C)	33 pp
Student's Text (C)	8 pp
Instructor's Guide (MNM)	33 pp
Student's Text (MNM)	8 pp

MSHA 1992

Cat No: CI 9 (Instructor's Guide-C)

CI 9a (Student's Text-C)

CI 10 (Instructor's Guide-MNM)

CI 10a (Student's Text-MNM)

Price: \$4.00 (Instructor's Guide)

\$4.00 (Student's Text)

Mine Escapeways (C/MNM)

An introduction to mine escapeways and evacuation. Stresses the importance of having clear escapeways in case of an emergency,

MSHA 1986 24 pp

Revised 1997

Cat No: SM 11

Price: Free of charge (1 book)

\$2.00 (multiple copies)



Mine Gases (C)

Examines the various atmospheric components found in underground mines and describes the hazards of methane, carbon monoxide, sulfur dioxide, hydrogen sulfide, etc.

MESA 1977 207 pp

Cat No: PI 2

Price: Free of charge (1 book)

\$5.00 (multiple copies)

Mine Gases (C/MNM)

A complete reference on the sources and properties of mine gases (including explosive and toxic effects). Discusses means of detection, identification, analysis and legal requirements for each gas found in mine air. Also includes mine gas control methods.

MESA 1978 42 pp

MSHA Rev 1994

Cat No: SM 2

Price: Free of charge (1 book)

\$2.00 (multiple copies)



Mine Illumination (C)

Describes the eye, how the eye works and the effects on the eye of working in low lighting levels. Explains requirements for illumination in underground mines, how these requirements are met and how lighting levels are measured.

MESA 1976 113 pp

Cat No: PI 8

Price: Free of charge (1 book)

\$1.00 (multiple copies)



Mine Maps — Underground (C)

This course is designed to train Federal Coal Mine Inspectors to read and interpret underground coal mine maps. Included are the regulations with examples of their usage, and suggested mine map symbols.

Books

Instructor's Guide	95 pp
Student Text	9 pp

MSHA 1996

Cat No: CI 40 (Instructor's Guide)

CI 40a (Student Guide)

Price: \$4.00 (Instructor's Guide)

\$4.00 (Student Text)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Mine Rescue Training Modules (C/MNM)
Modules are designed to train experienced or inexperienced mine rescue team members. Each self-contained unit covers a separate subject and includes suggested handouts and visual aids.

Books

Introduction to Mine Rescue (2002)

Metal/Nonmetal Training Module (2201)

Coal Training Module (2101)

WV University Mining

Extension Service 1981

BuM Contract J0308002

Cat No: IG 5- Introduction 869 pp

IG 6- Metal/Nonmetal 528 pp

IG 7- Coal 486 pp

Price: \$12.00 ST 13- Introduction

\$ 8.00 ST 14- Metal/Nonmetal

\$ 8.00 ST 15- Coal

Mine Rescue Training Using the Draeger BG 174, BG 174A Breathing Apparatus
Designed to show, in a step-by-step manner, the proper use of this mine rescue apparatus,

MSHA Rev 1991 46 pp

Cat No: IG 21

Price: Free of charge (1 book)

\$16.00 (1 book, 62 slides)

Mine Ventilation (C/MNM)

Reviews the basic elements of mine ventilation.

Emphasizes the importance of good ventilation for a safe and healthy work environment.

MSHA 1986 43 pp

Cat No: SM 20

Price: Free of charge (1 book)

\$2.00 (multiple copies)

Miners' Rights and Responsibilities Under the Federal Mine Safety and Health Act of 1977, Guide to (C/MNM)

Summarizes rights and responsibilities of miners, their representatives and applicants for mine work under the Federal Mine Safety and Health Act of 1977. Intended as a guide only and not as an 'official' statement of the *law* or as a source for legal interpretations of the Act. Note: Spanish version available from The University of Texas at Austin, Industrial Education Department, P. O. Box 7518, Austin, TX 78713-7518 Phone: (512) 471-4633. Cost is \$3,50 plus shipping and handling.

MSHA Rev 1994 35 pp

Cat No: OT 2

Price: Free of charge



Mining Accident Prevention

Designed as an introduction to the causes and prevention of mining accidents for entry-level and first-year mine workers. May also be useful as a refresher course.

MESA 1977 49 pp

Cat No: IG 34

Price: Free of charge (1 book)

\$5.00 (1 book, 8 slides)

MSA One Hour SSR Self-Contained Self-Rescuer
Designed to ensure proper use of the device during a mine emergency,

MSHA Rev 1991 35 pp

Cat No: IG 38

Price: Free of charge (1 book)

\$9.00 (1 book, 29 slides)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

MSA W-65 Self-Rescuer

Designed to instruct all underground personnel in the proper use of this self-rescuer. Provides students with working knowledge of the device and the ability to use the self-rescuer in an emergency. A laminated pocket-card, which pictures the basic eight steps required for proper use, is also available,

MSHA Rev 1991 13 pp

Cat No: IG 2 (1 book, 10 slides)

VC 830 (22 minute videotape)

Cards: 100 cards per set

Price: Free of charge (1 book)

\$5.00 (1 book, 10 slides)

\$8.00 (videotape)

\$5.00 (cards)



Noise Control (C/MNM)

Provides instruction on the nature of noise, the physiology of hearing, the measurement of noise levels and noise control measures (as these measurements relate to the mining industry).

MESA 1976 133 pp

Cat No: PI 11

Price: Free of charge (1 book)

\$5.00 (multiple copies)

On-The-Job Training Modules-Anthracite and Bituminous Coal Preparation Plants and Shops
Thirteen-part program developed cooperatively by MSHA and members of the anthracite and bituminous coal mining industry. Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT). Topics include:

1. Plant Operation
2. Plant Maintenance and Repair
3. Maintaining Conveyor Systems
4. Welding and Cutting
5. Electrical Procedures for Non-electricians
6. Thermal Dryer Operation
7. Railcar Handling

8. Barge Haulage/Dredge Operations

9. Barge Loading Facilities

10. Front-end Loader Operation

11. Truck Haulage

12. Bulldozer Operation

13. Mobile Crane Operation

14. Ladders and Scaffolds

15. Manual Handling of Materials

16. Prevention of Slim and Falls

Addendum - Questions for Discussion

MSHA 1988 226 pp

Cat No: IG 49

Price: Free of charge (1 book)

\$5.00 (multiple copies)

On-The-Job Training Modules - Cement

Developed cooperatively by MSHA and members of the cement industry. A fifteen-module program:

1. General Plant Cleanup
2. Cleaning Belt Conveyors
3. Unplugging Clinker Breaker
4. Shooting Kiln Gun
5. Unplugging Preheater
6. Restarting After a Plantwide Power Failure
7. Manual Handling of Materials
8. Operating and Handling Railroad Equipment
9. Splicing Conveyor Belts
10. Using an Overhead Hoist to Lift or Handle Parts or Material
11. Replacing the Drive Chain or Belt on a Screw Conveyor
12. Handling Materials with Shop overhead Crane
13. Welding and Cutting
14. Equipment Lock-Out Procedures
15. Electrical Procedures for Non-Electricians

Each module contains a brief job description and a generic job safety analysis (JSA) of a job common to cement operations.

MSHA 1985 113 pp

Cat No: IG 42

Price: Free of charge (1 book)

\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

On-The-Job Training Modules - Metal and Nonmetal Dredges

Developed cooperatively by MSHA and members of the dredging industry. A five-module program:

1. Dredge Operations
2. Barge Haulage
3. Replacing Major Components of a Cutter-head Dredge
4. Equipment Lock-Out Procedures
5. Manual Handling of Material

Each module contains a brief job description and a generic job safety analysis (JSA) of a job common to dredging operations.

MSHA 1985

44 pp

Cat No: IG 41

Price: Free of charge (1 book)
\$4.00 (multiple copies)

On-The-Job Training Modules - Metal/Nonmetal Inspectors

This 23-part series of on-the-job training materials is used in the training of MSHA metal/nonmetal inspectors. It may also be used by industry personnel wishing to improve their inspection capabilities. Topics include:

1. Personal Protection
2. Material Storage and Handling
3. Travelways and Escapeways
4. Fire Prevention and Control
5. Use of Equipment
6. Air Quality, Ventilation, and Noise
7. Loading, Hauling and Dumping
8. Explosives
9. Electricity
10. Drilling
11. Ground Control
12. Inspection Procedures
13. Citations and Orders
14. Part 50
15. Accident Investigation
16. Miscellaneous
17. Compressed Air and Boilers
18. Gassy Mines
19. Mine Rescue and Emergency Procedures
20. Hoisting
21. Radiation
22. Illumination
23. Safety Programs

This OJT is available only as a complete set.

Order by series title.

MSHA 1987

281 pp

Cat No: IG 55

Price: Free of charge (1 book)
\$6.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual	LC	Laboratory Course	PI Programmed Instruction Book
CI Course of Instruction	OT	Other Material	SM Safety Manual
IG Instructional Guide			

On-The-Job Training Modules - Sand, Gravel, and Crushed Stone

Developed cooperatively by MSHA and members of the sand, gravel and crushed stone industries. Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT). Consists of nineteen modules:

1. Starting the Plant
2. Plant Clean-Up
3. Plant Shutdown
4. Plant Operation
5. Maintaining Conveyor Systems
6. Plant Repair
7. Welding and Cutting
8. Equipment Lock-Out Procedures
9. Electrical Procedures for Non-Electricians
10. Truck Haulage
11. Ground Control
12. Inspecting and Replacing Cables (Wire Ropes)
13. Replacing the Drive Chain or Belt on a Screw Conveyor
14. Manual Handling of Materials
15. Using an overhead Hoist to Lift or Handle Parts or Material
16. Handling Material with Shop Overhead Traveling Crane
17. Primary Crushing Operation
18. Operating Drilling Equipment
19. Transportation, Use, and Storage. of Explosives

Each module contains both a description and a generic job safety analysis (JSA) of a job common to sand, gravel and crushed stone operations.

MSHA 1985 204 pp

Cat No: IG 40

Price: Free of charge (1 book)
\$5.00 (multiple copies)

On-The-Job Training - Structuring Effective Programs (C/MNM)

How to design, conduct and evaluate structured OJT training programs. Intended as a guide for supervisory personnel involved in OJT.

MSHA 1983 89 pp

Cat No: IG 12

Price: Free of Charge (1 book)
\$4.00 (multiple copies)

On-The-Job Training Modules - Surface Anthracite

Fifteen-part program developed cooperatively by MSHA and members of industry, Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT). Topics include:

1. Front-End Loader Operation
2. Dozer Operation
3. Hauler Operation
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Power Shovel Operation
7. Dragline Operation
8. Drill Operation
9. Storage, Transportation, and Use of Explosives
10. Field Maintenance of Surface Equipment
11. Welding and Cutting
12. Inspecting and Replacing Wire Ropes (Cables)
13. Ground Control
14. Manual Handling of Materials
15. Prevention of Slip and Fall Accidents

Addendum - Question: for Discussion

Each module contains an introduction and a generic job safety analysis (JSA) of a job common to surface anthracite operations.

MSHA 1988 210 pp

Cat No: IG 51

Price: Free of charge (1 book)
\$5.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

On-The-Job Training Modules - Surface Coal
Fifteen-part program developed cooperatively by MSHA and members of the surface coal mining industry. Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT), Topics include:

1. Front-end Loader Operation
2. Bulldozer Operation
3. Truck Haulage
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Power Shovel operation
7. Dragline Operation
8. Drill Operation
9. Storage, Transportation and Use of Explosives
10. Field Maintenance of Surface Equipment
11. Welding and Cutting
12. Inspecting and Replacing Wire Ropes (Cables)
13. Ground Control
14. Manual Handling of Materials
15. Prevention of Slip and Fall Accidents

Addendum - Questions for Discussion
MSHA 1987 201 pp

Cat No: IG 48

Price: Free of charge (1 book)
\$5.00 (multiple copies)

On-The-Job Training Modules - Surface Metal and Nonmetal

Seventeen-part program developed cooperatively by MSHA and members of industry. Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT). Topics include:

1. Front-end Loader Operation
2. Dozer Operation
3. Hauler Operation
4. Pan Scraper Operation
5. Backhoe and Hydraulic Excavator Operation
6. Mobile Crane Operation

7. Hydraulic Shovel Operation
 8. Power Shovel Operation
 9. Dragline Operation
 10. Drill Operation
 11. Storage, Transportation and Use of Explosives
 12. Field Maintenance of Surface Equipment
 13. Welding and Cutting
 14. Inspecting and Replacing Wire Ropes (Cables)
 15. Ground Control
 16. Manual Handling of Materials
 17. Prevention of Slip and Fall Accidents
- Addendum - Questions for Discussion

Each module contains an introduction and a generic job safety analysis (JSA) of a job common to surface metal and nonmetal operations.

MSHA 1988 262 pp

Cat No: IG 43

Price: Free of charge (1 book)
\$6.00 (multiple copies)

On-The-Job Training Modules - Underground Anthracite

Seven-part program developed cooperatively by MSHA and members of industry. Designed to supplement existing training programs and assist the industry in conducting effective on-the-job training (OJT), Topics include:

1. Roof Control - General
2. Installing Permanent Supports
3. Equipment Lockout Procedures
4. Prevention of Slip and Fall Accidents
5. Manual Handling of Materials
6. Installing Ventilation Controls
7. Blasting Operations

Addendum - Questions for Discussion

MSHA 1988 101 pp

Cat No: IG 50

Price: Free of charge (1 book)
\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

On-The-Job Training Modules - Underground Coal

Designed cooperatively by MSHA and members of industry. Consists of thirteen modules:

1. Roof Control - General
2. Installing Temporary Supports
Installing Permanent Supports
4. Shuttle Car Haulage
5. Scoop Haulage
6. Operating Track Haulage Equipment
7. Belt Conveyor Haulage
8. Manual Handling of Materials
9. Prevention of Slip and Fall Accidents
10. Equipment Lockout Procedures
11. Electrical Procedures for Non-Electricians
12. Installing Ventilation Controls
13. Section Belt and Power Center Moves

MSHA 1986 191 pp

Cat No: IG 47

Price: Free of charge (1 book)
\$5.00 (multiple copies)

Part 48 Alcohol and Other Drug Abuse

Recognition in the Mining Industry (C/MNM)
A course of study that includes lessons on common types of drugs and their effects on the worker, alcohol as a commonly abused substance, how to recognize the symptoms of substance abuse, and how to get assistance for abuse problems. Can be tailored to include the company's Employee Assistance Program if available. Includes tests and answer sheets.

Books

Instructor's Guide 26 pp
Student's Text 15 pp

MSHA 1992

Cat. No: IG 80

Price: Free of Charge (one set of books)
\$4.00 (multiple copies)

Part 48 Supplement-Surface Ground Control (C/MNM)

Summarizes ground control hazards through the use of accident cases. Designed to supplement annual refresher training material for both coal and metal/nonmetal surface mines. Available in 8 1/2" x 11" size (basic text for production of transparencies) and 11" x 17" size (desktop flipchart for small classes of six or fewer trainees). Specify size when ordering.

MSHA 1988

8 1/2" X 11" 18 pp
11" x 17" 31 pp

Cat No: IG 54

Price: Free of charge (1 book)
\$4.00 (multiple copies)

Note: A binder is available for the 11"x17" size material,
Price of Binder: \$5.00

Part 48 Supplement—Underground Coal Blasting and Explosives

Introduces blasting hazards and shows how they can be prevented. Available in 8 1/2" x 11" size (basic text for production of transparencies) and 11" x 17" size (desktop flip chart for small classes of six or fewer trainees). Specify size when ordering.

MSHA 1987

8 1/2" X 11" 39 pp
11" x 17" 59 pp

Cat No: IG 53

Price: Free of charge (1 book)
\$4.00 (multiple copies)

Note: A binder is available for the 11 "x 17"size material,
Price of Binder: \$5.00

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Part 48 Training-Coal

Surface

General training materials designed for use at all surface coal mining operations, including surface work areas of underground mines and coal preparation plants. The complete program consists of 23 separate training modules which support four Part 48 training categories:

- (1) New Miners Training
- (2) Newly Employed Experienced Miners Training
- (3) Annual Refresher Training
- (4) Hazard Training

An outline is also furnished to show trainers how the program is put together,

WV University Mining
Extension Service 1980
BuM Contract J0188069

Cat No: C-48-200

Price: \$15.00 (23 modules, 1 outline)

Underground

General training materials designed for use at all underground coal mining operations. The complete program consists of 27 separate training modules which support four Part 48 training categories:

- (1) New Miners Training
- (2) Newly Employed Experienced Miners Training
- (3) Annual Refresher Training
- (4) Hazard Training

An outline is also furnished to show trainers how the program is put together.

WV University Mining
Extension Service 1980
BuM Contract J0188069

Cat No: C-48-100

Price: \$18.00 (27 modules, 1 outline)

Part 48 Training-Metal/Nonmetal

Deep Mines

General materials designed for use at all deep metal/nonmetal mines - except underground salt mines, Packaged in three volumes:

- | | |
|--|--------|
| (1) New Miners Training | 519 pp |
| (2) Newly Employed Experienced Miners Training | 123 pp |
| (3) Annual Refresher Training | 139 pp |
- Bendix Corp 1981
BuM Contract J0308011

Cat No: M-48-4

Price: \$11.00 (3 books)

Sand and Gravel Mines

Designed for use only at sand and gravel mines. Repeats general materials contained in M-48-1 Surface Mines program but has changes and additions specific to sand and gravel operations. Packaged in three volumes:

- | | |
|--|--------|
| (1) New Miners Training | 212 pp |
| (2) Newly Employed Experienced Miners Training | 115 pp |
| (3) Annual Refresher Training | 146 pp |
- Bendix Corp 1981
BuM Contract J0308011

Cat No: M-48-2

Price: \$8.00 (3 books)

Surface Mines

General materials designed for use at all surface metal/nonmetal mines - except sand and gravel operations and surface uranium mines.

Packaged in three volumes:

- | | |
|--|--------|
| (1) New Miners Training | 218 pp |
| (2) Newly Employed Experienced Miners Training | 119 pp |
| (3) Annual Refresher Training | 142 pp |
- Bendix Corp 1981
BuM Contract J0308011

Cat No: M-48-1

Price: \$8.00 (3 books)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratoy Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Part 48 Training—Metal/Nonmetal *(continues)*

Underground Salt Mines

Designed for use only at underground salt mines, Repeats general materials contained in M-48-1 Surface Mines program but has changes and additions specific to underground salt mining operations. Packaged in three volumes:

- | | |
|--|--------|
| (1) New Miners Training | 235 pp |
| (2) Newly Employed Experienced Miners Training | 118 pp |
| (3) Annual Refresher Training | 139 pp |
| Bendix Corp 1981 | |
| BuM Contract J0308011 | |

Cat No: M-48-5

Price: \$8.00 (3 books)

Part 50- Coal and Metal/Nonmetal

Title 30 CFR Part 50 defines the accident, injury, illness, employment and production (coal) reporting obligations to MSHA of operators working on mine properties, This information also discusses the procedures followed in processing the reported data, a description of some statistical computations used in arriving at incident and severity rates, and a question and answer section. In addition to the text materials, handouts, lesson plans, visuals, and test and evaluations are included which will assist in instructing 30 CFR Part 50 training.

Books

- | | |
|--------------------|--------|
| Instructor's Guide | 222 pp |
| Student Text | 51 pp |

MSHA 1994

Cat No: CI 30 (Instructor's Guide)

CI 30a (Student Text)

Price: \$5.00 (Instructor's Guide)

\$4.00 (Student's Text)



Permissibility-Electric Face Equipment (C/MNM)

Addresses definitions, mandatory requirements and other information concerning electric-driven mining equipment.

Note to Trainer: Designed for use by safety and maintenance personnel, mine inspectors and other mining personnel.

MSHA 1979 27 pp

MSHA Reprint 1996

Cat No: SM 16

Price: Free of charge (1 book)

\$2.00 (multiple copies)

Permissible Draeger 810 Respirator for Self-Rescue
Designed to instruct all underground personnel in proper testing and use of this self-rescuer.

Explains limitations of the device. A laminated pocket-card, which pictures the basic eight steps required for proper use, is also available.

MSHA Rev 1991 9 pp

Cat No: IG 3 (1 book, 10 slides)

Cards: 100 cards per set

Price: Free of charge (1 book)

\$5.00 (1 book, 10 slides)

\$5.00 (cards)

Personal Protective Equipment (C/MNM)

Use of personal protective equipment is necessary in mining (and in many other occupational areas – including some home activities), Manual describes various devices used, why they are needed, where they are needed and how to care for the equipment. (Typical equipment includes head, eye, face, foot and body protection devices and respiratory protection devices.)

MESA 1979 69 pp

MSHA Rev 1989

Cat No: SM 14 (English Version)

SM 14-S (Spanish Version)

Price: Free of charge (1 book)

\$2.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Principles of Mine Rescue (C/MNM)

Designed to instruct mining personnel in the principles involved in mine rescue operations and to increase miners' awareness of the necessity of a thorough knowledge of mine rescue techniques,

MSHA Rev 1995 94 pp

Cat No: IG 16

Price: Free of charge (1 book)
\$11.00 (1 book, 36 slides)

Program Policy Manual

Summary of MSHA'S policies in the areas listed below:

Volume I -1977 Mine Act

Volume II - Testing and Evaluation

Volume III -30 CFR Parts 40-50 and Part 100

Volume IV - Met-al/Nonmetal Mines

Volume V - Coal Mines

MSHA 1988

Cat No: OT 15 (Coal)

OT 16 (Metal/Nonmetal)

OT 17 (General Interest)

Price: \$4.00 (Coal Volumes I, II, III, V)
\$5.00 (General Interest Volumes I-V)
\$3.00 (Met-al/Nonmetal Volumes I, III, IV)



Radiation Hazard in Mining, The
Deals with the occurrence of lung cancer from breathing radioactive dust particles. Covers radon daughter hazards, radiation control and medical surveillance measures for mine personnel.

MESA 1978 24 pp

MSHA Reprint 1984

Cat No: SM 7

Price: Free of charge (1 book)
\$2.00 (multiple copies)

Repeat Violation Reduction Program

This program was developed by MSHA CSMH district office in Morgantown, West Virginia, as an inspection procedure. The intent of the program is to reduce the number of repeat violations of mandatory standards by identifying the root causes of the violations. It may also be used by industry personnel to reduce repeat violations.

MSHA 1989 134 pp

Cat No: IG 63

Price: Free of charge (1 book)
\$4.00 (multiple copies)

Roof and Rib Control (C)

This training package of lesson plans, handouts, visuals, and student text is designed to train Federal Mine Inspectors in roof control plans and mandatory standards related to roof and rib control.

Books

Instructor's Guide 322 pp

Student's Text 104 pp

MSHA 1994

Cat No: CI 20 (Instructor's Guide)

CI 20a (Student's Text)

Price: \$6.00 (Instructor's Guide)
\$4.00 (Student's Text)



Roof and Rib Control (C)
Examines the nature of a mine roof and describes measures that can be taken to minimize the danger of roof and rib falls in underground mines.

MESA 1976 113 pp

MSHA Rev 1982

Cat No: PI 3

Price: Free of charge (1 book)
\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Rubber-Tired Front-End Loader and Fork Lift Truck Accident Prevention (C/MNM)

Designed to show safe working procedures for
front-end loaders and fork lift trucks.

MESA 1975

MSHA Rev 1991 57 pp

Cat No: IG 30

Price: Free of charge (1 book)

\$30.00 (1 book, 134 slides)

Safety Basketball-(C/MNM)

A 4-team game for use in training participants on
health and safety standards.

MSHA 1995 50 pp

Cat No: IG 78

Price: \$4.00



Safety Inspections

Developed for training supervisory
personnel of the minerals industry. Provides mate-
rial for incorporation into a mine's overall accident
prevention effort, (Also see Job Safety Analysis
Process: A Practical Approach, Safety Observa-
tion and Safety orientation and Training.)

MESA Ott 1977 31 pp

Cat No: IG 32E

Price: Free of charge (1 book)

\$10.00 (1 book, 33 slides)

Safety observation (C/MNM)

Designed to help present training to mining
industry personnel on safety observation and to
help management understand that an efficient
safety observation can be integrated into mine
accident prevention programs, This material is a
companion to The Job Safety Analysis Process:
A Practical Approach - IG 83.

MSHA 1991 30 pp

Cat No: IG 84

Price: Free of charge (1 book)

\$4.00 (multiple copies)



Safety Tips for Underground Coal Mining

Presents a number of accident case studies com-
piled by safety personnel of the Eastern Associated
Coal Corporation.

Note to Trainers: Each study illustrates a specific
point (or safety tip) which can be used as a discus-
sion topic during regular safety training sessions.

MSHA 1980 35 pp

Cat No: SM 17

Price: Free of charge (1 book)

\$2.00 (multiple copies)

Small Mines Training (C)

General information designed to improve the
effectiveness of supervisory personnel, Intended
for all levels of coal mine management, Complete
set of materials contains:

Books

Managing Maintenance	52 pp
Human Relations Skills at Work	39 pp
Managing a Section	37 pp
Complying With Part 48	55 pp
Conducting Your Own Training	35 pp
Elements of Management Planning	41 pp
Developing a Comprehensive Safety Program	46 pp

WV University Mining Extension Service

(subcontractor to HUMRRO) 1982

BuM Contract J0188053 HUMRRO
E81-0303 WVU

Cat No: IG 11

Price: \$6.00 (7 books)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Small Mines Training Packets

The purpose of MSHA'S Small Mine Program is to help operators of small coal mines reduce mining accidents and injuries and improve their compliance record. One way of helping them reach these goals is to make available Academy training products. Two packets have been assembled - these products cover anthracite and bituminous coal, and are attuned to the small mine environment. (The materials are listed throughout this Catalog.)

MSHA 1994

Cat No: OT 31

Price: Free of Charge (one packet)

(Two videos are included in the Anthracite package: *Anthracite Pre-Shift Examinations of Underground Mines*" (VC 806) and *Timbering in Anthracite Underground Mines*" (VC 807). See Videotape section for cost.)

Stockpiling Safety

Deals with the safe operation of mobile equipment on and around stockpiles. Discusses the hazards associated with stockpiles and reviews the procedures that can be used to minimize the occurrence of accidents.

MSHA 1992 58 pp

Cat No: SM 30

Price: Free of charge. (1 copy)
\$2.00 (multiple copies)

Substance Abuse-Discussion Guide for Inspectors (C/MNM)

This booklet contains a guide for inspectors to discuss alcohol and drug abuse issues with workers when making inspections.

MSHA 1992

Cat No: OT 28

Price: Free of charge

Substance Abuse—Discussion Guide for Managers (C/MNM)

This booklet contains a guide for managers/supervisors or safety directors to make talks on alcohol and drug abuse at meetings or seminars, or for making safety talks.

MSHA 1992

Cat No: OT 29

Price: Free of charge

Substance Abuse in Mining (C/MNM)

Designed to highlight those fatal and serious accidents in coal and metal/nonmetal mines in which substance abuse was a contributing factor. The package can be used for training sessions and safety talks.

MSHA 1987

Cat No: OT 24

Price: Free of charge (1 book, 10 slides)

Substance Abuse Recognition for Supervisors (C/MNM)

Designed to educate supervisors in the common types of drugs and their effects on the worker, how to recognize a troubled employee, and how to give assistance. Can be tailored to include the company's Employee Assistance Program if available.

Books

Instructor's Guide	71 pp
Student's Text	17 pp

MSHA 1992

Cat No: CI 11 (Instructor's Guide)

CI 11a (Student's Text)

Price: Free of Charge (one book)
\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual

Supervisory Training Program (C)

Designed for coal mine section supervisors. Focuses on the knowledge and skills needed to carry out supervisory responsibilities. Packaged in two volumes (one for instructor and one for participants). Each volume is divided into ten lessons:

Lesson 1. Role of the Supervisor

Lesson 2. Leadership and Supervision

Lesson 3. Motivation

Lesson 4. General Communications

Lesson 5. Organizational Communications

Lesson 6. Enforcing Rules and Regulations

Lesson 7. Performance Review

Lesson 8. Planning

Lesson 9. Supervisors' Training
Responsibilities

Lesson 10. Supervisors' Safety Role

Each volume is bound separately. Complete set of training materials contains:

Books

Instructor's Handbook 456 pp

Participant's Handbook 172 pp

Slides 107 slides

HUMRRO 1982

BuM Contract J0188053

Cat No: IG 4

Price: \$31.00 (2 books, 107 slides)

Surface Haulage Fatalities-Coal (1989-1 993)

This publication highlights haulage fatalities that occurred at surface coal operations from January 1989 through December 1993. These surface haulage fatalities involve equipment such as: haul trucks, front-end loaders, boom trucks, concrete trucks, scrapers, pickup trucks and automobiles.

MSHA 1995 37 pp

Cat No: OT 5

Price: \$10.00 (1 book and 32 slides)

Surface Haulage Fatalities—Metal and Nonmetal (1989MI 993)

This publication highlights haulage fatalities that occurred at surface metal and nonmetal operations from January 1989 through December 1993. These surface haulage fatalities involve equipment such as: haulage trucks, front-end loaders, scrapers, water trucks, forklifts, and pickup trucks.

MSHA 1995 61 pp

Cat No: OT 6

Price: \$15.00 (1 book and 57 slides)

Surface Haulage Safety (C/MNM)

Accidents involving haulage trucks and other mobile surface equipment constitute a major safety problem in the mining industry. This manual illustrates the important principles of haul road design and maintenance, braking system inspection and maintenance, and driver procedures relating to truck runaways. A section also looks at potential hazards and preventive measures associated with surface haulage, and how these hazards can be minimized to equipment operators.

MSHA 1995 40 pp

Cat No: SM 22

Price: Free of charge (1 book)
\$2.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual
CI Course of Instruction
IG Instructional Guide

LC Laboratory Course
OT Other Material

PI Programmed Instruction Book
SM Safety Manual

Surface Installations (C)

Designed to train Federal Coal Mine Inspectors in the inspection of surface installations at both underground and surface mines, including coal preparation plants, in compliance with 30 CFR Part 77. A lesson on inspecting thermal dryers is included.

Books

Instructor's Guide	189 pp
Student's Text	56 pp

MSHA 1992

Cat No: CI 12 (Instructor's Guide)

CI 12a (Student's Text)

Price: \$5.00 (Instructor's Guide)

\$4.00 (Student's Text)



Surface Mining

Examines hazards common to surface mines, including heavy equipment operations, highwalls, slips and falls, explosives and plant operation. Printed in two volumes: Work Book and Answer Book.

MESA 1976 235 pp

Cat No: PI 10

Price: Free of charge (1 book)

\$5.00 (multiple copies)

Survey of Substance Abuse Programs in the Mining Industry, A (C/MNM)

Survey conducted for the Mining Industry Committee on Substance Abuse. Gives insight on company programs designed to curb work site alcohol and drug use,

MSHA 1990 174 pp

Cat No: OT 30

Price: \$5.00 (1 book)



System Safety Engineering (C/MNM)

Provides a basic introduction to the field of system safety engineering. Covers several system safety methods, including such techniques as failure mode and effect analysis, fault tree analysis and hazard analysis.

MESA 1978 43 pp

Cat No: SM 15

Price: Free of charge (1 book)

\$2.00 (multiple copies)

Think "Quicksand": Accidents Around Bins, Hoppers and Stockpiles (C/MNM)

Each year, lives are lost in accidents involving loose materials. Typically, victims have been buried by material giving way under them or falling down on them. Most victims in these accidents have died of suffocation; a few have died of traumatic injuries. In many cases, accident victims have been pulled down and asphyxiated in loose material almost as if it were quicksand. That is the reason this program is titled: "Think Quicksand." This program covers 44 selected fatalities that occurred around bins, stockpiles, and other facilities at mining operations during 1980-1986. A wide variety of "quicksand" accidents are included.

MSHA 1988 44 pp

Cat No: AV 34

Price: \$11.00 (1 book, 38 slides)

Tire and Rim Safety Awareness Program (C/MNM)

Designed for trainers of coal and metal/nonmetal mine personnel. Covers the handling and servicing of multi- and single-piece rim wheels.

MSHA Rev 1996 34 pp

Cat No: IG 60

Price: Free of charge (1 book)

\$4.00 (multiple copies)

TRAINING MATERIALS

AV Audiovisual

CI Course of Instruction

IG Instructional Guide

LC Laboratory Course

OT Other Material

PI Programmed Instruction Book

SM Safety Manual



Traffic Control at Surface Mines and Installations, Guidelines for (C/MNM)

All kinds and sizes of vehicles travel roads at surface operations. These vehicles are operated by drivers who travel the mine haulage roads on a daily basis or very infrequently or even for the first time. This means that there is a need for good traffic control on mine haul roads. This full-color spiral-bound booklet reviews what mine operators and drivers need to know about traffic control.

MSHA 1997

14 pp

Cat No: OT 26

Price: \$3.00

Trolley Wireman Training Program (C)

An interactive OJT training program intended for experienced miners with knowledge of basic electricity. Examines specifics of trolley wireman job requirements.

Materials are:

Books

Leader's Guide 3 pp

Slides

Introduction to Trolley Systems 69 slides

Basic Electricity for Trolley

Wiremen 77 slides

Trolley Wire System Design
and Construction 76 slides

Trolley Wire System Maintenance 76 slides

Tapes (one tape per set of slides) 4 tapes

AMAX Coal 1984

BuM Contract J0387234

Cat No: AV 8

Price: \$68.00 (298 slides, 4 tapes)

Truck Haulage Safety: Metal/Nonmetal Surface Operations

Slide-tape program shows pre-shift inspection process and correct operating procedures for metal/nonmetal surface haulage trucks.

MSHA 1987

6 min

Cat No: AV 24

Price: \$13.00 (46 slides, 1 tape)



Underground Coal Haulage and Transportation

Focuses on safety hazards of the various haulage systems used in underground mines to transport miners, coal, equipment and supplies.

MSHA 1983

203 pp

Cat No: PI 7

Price: Free of charge (1 book)

\$5.00 (multiple copies)

Underground Haulage, Transportation, and Machinery (C)

Designed to train Federal Coal Mine Inspectors in the inspection of haulage and transportation systems and machinery in underground coal mines, in compliance with 30 CFR Part 75.

Books

Instructor's Guide 213 pp

Student's Text 144 pp

MSHA 1992

Cat No: CI 13 (Instructor's Guide)

CI 13a (Student's Text)

Price: \$5.00 (Instructor's Guide)

\$4.00 (Student's Text)

TRAINING MATERIALS

AV	Audiovisual	LC	Laboratory Course	PI	Programmed Instruction Book
CI	Course of Instruction	OT	Other Material	SM	Safety Manual
IG	Instructional Guide				

Underground Inspector Safety Awareness (C)

This slide/tape program was developed in cooperation with MSHA's Human Resources Division, Employee Safety and Health Office. Designed to increase underground coal mine inspectors' awareness of health and safety hazards they may encounter while performing their daily work activities. Supplements MSHA mine inspector training and hazard identification training.

MSHA 1990 15 min

Cat No: AV 49

Price: \$16.00 (58 slides, 1 tape)

Winter Alert (C/MNM)

Surveys potentially dangerous conditions encountered in underground coal operations during the winter months, and covers winter related surface mining hazards. Although primarily intended for coal, much of the information in this manual can be applied to metal/nonmetal mines.

MSHA Rev 1994 64 pp

Cat No: SM 19

Price: Free of charge (1 book)
\$2.00 (multiple copies)



Working Safely With Silica, A Guide to

Every year more than 250 workers in the U.S. die with silicosis, an incurable, progressive lung disease caused by overexposure to dust containing silica. If you work, or you are an employer, in one of the dozens of industries where dust containing silica is present, you need to know how to prevent this disease. This guide - a cooperative effort between the Department of Labor and the National Institute for Occupational Safety and Health in the Department of Health and Human Services - explains how you can protect yourself and others each day on the job. Note: There is a companion card titled "Tips for Preventing Silicosis." See the "Cards" listing in this section for ordering information.

DOL/NIOSH 20 pp

Cat No: OT 33 (English Version)

OT 33S (Spanish Version)

Price: No cost

Your Job and Safety (C/MNM)

This program reviews accidents and possible unsafe working conditions to develop a positive attitude toward safety for surface miners.

MSHA 1991 8 min

Cat No: AV 50

Price: \$16.00 (60 slides, 1 tape)